

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A ceramic heater unit comprising at least a heater and electrodes for passing electricity through said heater to elevate the temperature of the heater, characterized in that said heater and said electrodes are respectively ~~made of a material containing~~ consisting essentially of silicon carbide, and said heater and said electrodes are integrally constructed with use of a binder ~~made of a material containing~~ consisting essentially of silicon carbide.

2. (currently amended): The ceramic heater unit of claim 1, further comprising a susceptor placed on a work-facing surface of said heater and ~~made of a material containing~~ consisting essentially of silicon carbide.

3. (currently amended): The ceramic heater unit of claim 1, further comprising a reflecting plate placed below the surface other than the work-facing surface of said heater and ~~made of a material containing~~ consisting essentially of silicon carbide.

4. (previously presented): The ceramic heater unit of claim 1, further comprising an insulating plate placed being interposed between said heater and said reflecting plate.

5. (previously presented): The ceramic heater unit of claim 1, wherein the constituent members of said ceramic heater unit are housed in a case.

6. (currently amended): The ceramic heater unit of claim 1, wherein said heater and said electrodes are integrally constructed by the reaction sintering method with use of ~~the~~ a binder ~~made of a material containing~~ consisting essentially of silicon carbide in the part that joins the two.